

12<sup>th</sup> Nov 3 P.M.  
Hotel Sangam



**MADURAI KAMARAJ UNIVERSITY**  
(University with Potential for Excellence)

**SPECIAL MEETING OF THE ACADEMIC COUNCIL 30.10.2008**

Introductory note by

**Prof. R. Karpaga Kumaravel**  
Vice-Chancellor



"ஓர்துகண் ணோடாது இறைபுரிந்து யாஈமாடும்  
தேர்துசெய வசுதே முறை".

(குற்றங்களை ஆராய்ந்து எவரிடத்தும் தாட்சனியமின்றி, நடுவு நிலைமையோடு  
ஆராய்ந்து, குற்றத்திற்கு தக்க தண்டனையை அளிப்பதே முறையான  
செய்கொள்வையாகும்)

Hon'ble Members of the Syndicate! Distinguished Members of the Academic Council! Friends from the media! Beloved special invitees!

*"Two roads diverged in a wood, and I—  
I took the one less traveled by,  
And that has made all the difference".*

*'The Road Not Taken'  
Robert Frost (1874-1963)*

I deem it great pleasure as well as privilege to welcome all the Members of this August Body for this Academic Council meeting for a fruitful deliberation.

we live in extraordinary times. Never before has the world been so prosperous, never before have so many people lived such long and healthy lives, never before have we witnessed such dazzling technology and never before have we reached, on average, such levels of education. And yet, in absolute numbers, never before have so many people lived in such poverty, never before have so many died from preventable diseases, never before has the planet been so threatened, never before have so many needed education. And it is education that fuels sustainable development, education that is fundamental to enlightened citizenship, to the peace and harmony – and even the continued life – of our species on this planet. It is an education which will have to reach the unreached hitherto.

In spite of the UN Millennium Development Goals and Education for All programme of UNESCO, in terms of the number of people still not in basic education, much less secondary and tertiary education, there is a great deal more that needs to be done. We haven't enough schools, we haven't enough universities and we haven't enough teachers.

In 1961, only about 28% Indians were literate while in 2006 the estimates put literacy at about 66%. This is truly an appreciable jump in literacy rates; however over 350 million still remain illiterate. That is the largest number of illiterates in any country. The total number of children in the age group of 6 to 24 years is about 460 million. Only about 63% of them are actually studying. Over 170 million or about 37% potential students have been left out of the opportunities of education. Experts and

policy makers offer many reasons why so many have been left behind by the country's education system. Although poverty is one of the major reasons why youth and children quit studying to start working, there are four great divides which pervade every aspect of life including education in India – they are – the gender divide, the rural-urban divide, the rich-poor divide and still prevalent caste divide. In each case there is a disadvantaged section, which finds it difficult to have access to educational and employment opportunities and thus gets left out. Thus one finds lower literacy rates, higher drop out rates and lower enrolment ratios amongst agricultural labourers, tribal women, scheduled castes and such under-privileged.

The 11<sup>th</sup> Plan which is termed as "India's Educational Plan", places highest importance on education as a key instrument of achieving rapid inclusive growth. Education and skill development are at the core of our government's Plan. The Indian Government's 11th Five Year Plan for the country has a significant emphasis on both education and ICT. Today there are 430 Universities, 21,000 colleges, one lakh teachers and almost 13 million student enrolments in higher education, making the Indian higher education system as one of the largest in the world. The Government plans to setup 30 new central universities, and several additional colleges in order to achieve the gross enrolment ratio in higher education from the present 11% to 21% by 2015. The government has pledged to raise public spending on education from the present 3.6% to 6% of GDP. Education has a 19.4% share in the total plan outlay - by far the largest and much more than earlier years. The plan focuses on raising the literacy from present 66% (in 2006) to 80% in a ten year span. These targets seem difficult if not impossible.

The Indian government's plan also highlights "inclusive growth". Many sections of our society have been left out of growth that India has achieved in recent times. The rates of poverty and illiteracy are higher among the under-privileged and backward sections of our society as compared to the affluent sections. Women, backward class, rural, minority and tribal groups are some of those which have not received participation in the growth of our country and as a result have not received all those opportunities that have benefited the larger sections of our society. The literacy rates amongst these classes are even lower than their urban counterparts. The 11<sup>th</sup> Five Year plan has laid out guidelines and policies to focus on this inclusive growth which will enable participation of all sections of our society, in the growth process, irrespective of class, creed, gender, race and geographic location.

It is in this backdrop that our Madurai-kamaraj University has to play a social role for the realisation of the GER target as well as Inclusive Growth, as mandated in the 11<sup>th</sup> Five Year Plan. Hence, it is proposed to initiate steps for starting four new departments, viz. Department of Women Studies, Department of Rural Development, Department of Information Technology and Department of Special Education (Inclusive Education).

It is clear that, financially, building the vast infrastructure required by traditional bricks and mortar universities and colleges to meet the demand is simply not a viable proposition. Higher Education can and do run in parallel models. Such models include

- 1) the private sector model which has grown at a remarkable pace in quite innovative ways and is providing a significant percentage of provision in many countries, not just in the developing world;

- 2) the Open and Distance University model, which is moving ahead in leaps and bounds. In India, for example, 24% of students in tertiary education are enrolled in Open and Distance Education Institutions.

With this convergence of technologies (including near universal satellite coverage), we can now reach people where they are, wherever they are, making learning more accessible than ever before. This clearly has revolutionary potential for the educational endeavour. We already have students who are able to delegate one of



them to attend a lecture and podcast it to their classmates; students who can watch the very best academic performers on their internet sites and not suffer less than best at any particular university; students who can access more and more material on the internet's open content sites; students who can take one or more courses at universities across national (and certainly individual university) boundaries; students who indeed learn in whole new ways. These are students who are different from their predecessors – in technology terms they are also more sophisticated than their teachers.

Fortunately, the present world at large has seen tremendous developments in the field of science and technology, and educational technology has not remained far behind. The emergence of the information technology in the field of education has brought about a revolution. This revolution has in a way removed the barriers of classroom learning. The governments of most developing countries are today fighting to provide this equitable access to ICT for all segments of society. It would be apparent that unless the developing countries like India are able to create an appropriate technological infrastructure for the reasons mentioned below, to support the kind of learning needed in the 21<sup>st</sup> Century, they would be left far behind.

- Widen access
- Improve quality
- Improve effectiveness
- Offer personalized learning
- Reduce costs

The need of 21<sup>st</sup> Century will be to exploit the information and technology revolution to the fullest possible extent. Economic development will depend to a large extent on creating and optimally using the technological infrastructure. Countries which would harness the power of multimedia communication for education and training purposes will be the economic powers of the present century.

There is the rise of the Open Educational Resource movement - one of the most exciting developments made possible by the web. Several universities have placed educational resources on the web, free to use to people anywhere in the world – including the UK OU. You can imagine how significant this is for the many people who do not have access to decent libraries, textbooks and educational media. In the science and technology domains where many countries are so desperately short of people educated in these disciplines, it is a veritable gift. These OERs can then be re-contextualized and repackaged for use in their own teaching and learning situations.

I hope that the Honourable Members of our Academic Council will appreciate the proposed initiative of our University to strengthen its Technology Capabilities, especially in the Directorate of Distance Education through a Technology Development Wing.

There is now near universal satellite coverage, there is an internet which holds vast and ever-growing stores of knowledge, and we have learnt much about pedagogy and how to teach and learn in this new environment. Technology prices are dropping all the time while robustness and reliability of the technology is dramatically increasing all the time. So it is an exciting time full of possibilities – possibilities way beyond any possibilities at any time in our history.

So my message today in this Academic Council Meeting is that we exploit the potential of the new technologies and embrace the distance education opportunities now rendered and also the networks which have been spawned.

The programs of our University should be made extremely popular to meet the market needs and provide employment and career advancement opportunities to thousands of

youth. Our curricula should be constantly upgraded and quality should always be our prime focus. It is the high time we implement technology solutions which will increase access to education, improve quality, provide fast response to student queries and provide better student support services. Efforts will be made to move towards a "paper-less" office and a dedicated student call center. Each student call including grievances will be tracked for call history and carefully monitored for quality of response by trained professionals. There shall be a "communication center" to answer student queries sent via email and guarantee a response of 1 business day. Technology will be used to in its simplest form, appropriately and effectively. We will focus on implementing cost-effective, simple yet efficient systems which will benefit our students tremendously. We will take measures to track the complete details of each of our student right from enrollment to graduation thereby ensuring fast and accurate resolution of student issues. The students can submit assignments online and can access all the learning facilities such as e-learning, faculty chat sessions, exam booking, academic performance etc through an advanced sophisticated web portal and thus will feel a part of a large virtual campus to be created by appropriate use of ICT. This in turn will lead to an exponential growth of our Students' Enrolment.

Let us all set forth with this optimism and pledge to provide quality Higher Education and bring into its folds all those especially the under-privileged who are desirous of seeking knowledge but have been left behind in this race of economic development and growth.

With regard to the implementation of the Choice Based Credit System at our University and its affiliated Colleges, I would like to report the following in this August body.

TANSCHÉ sent the guidelines for introducing CBCS in all the Universities in Tamil Nadu. Choice Based Credit System which offers flexibility and enhances opportunities to students has been introduced to all under graduate and post graduate degree programs in the affiliated colleges of Madurai Kamaraj University.

As many as 46 Boards of Studies of various subjects designed over 92 Post Graduate and Under Graduate degree programs in a short span of around 50 days and produced a huge document of around 3000 pages and the same has been passed in the Academic Council and the Senate.

I thank the Academic Council for approving the Curriculum Documents on 25.6.2008.

Curriculum forms the backbone of any Educational Institution and hence Curriculum Development Cell was created and a Co-ordinator was appointed, to look into the various issues related to the CBCS system.

A Curriculum Validation Committee comprising of Syndicate Members and Experts from the university and affiliated colleges was formed. Two meetings of the Curriculum Validation Committee were held on 11.7.2008 and 8.8.2008 to finetune the various Curricula.

A workshop for Curriculum Validation was held on 5<sup>th</sup> and 6<sup>th</sup> August 2008. The Chairpersons of various Boards of Studies and Academic Council and Senate members attended the workshop. The Vice-Chancellor delivered the Inaugural address and described the magnitude of work undertaken by various Boards of Studies. The Vice-Chancellor also pointed out that Curriculum shall have measurable and specific objectives outlined so that they can be evaluated.

Dr. S. Baskaran, Member-Secretary, TANSCHÉ was the Chief Guest and inaugurated the workshop. He said that the higher education system is evolving tremendously in size and structure. Experts in education presented lead talks, Dr. P.S. Balasubramanian, former Professor of Education, University of Madras talked about the anatomy of the Curriculum. Dr. S. Swaminathan delivered a lecture in the process

of designing the Curriculum. Dr. K. Krishnan elaborated the process of evaluation of the Curriculum. There was a panel discussion wherein various issues were discussed.

A Committee to evolve course codes was formed and this Committee has prepared the codes for the courses and evolved the evaluation pattern.

A Committee has been Constituted to prepare a Hand Book with all the information and regulation regarding CBCS. The Hand Book shall contain:-

- Introduction of CBCS from 2008-09 academic year
- Objectives of CBCS
- Definition of terms used in CBCS
- Programs offered in affiliated colleges – UG/PG
- General Framework of the programs along with examination
- Non-Major electives offered in various programs
- About Environmental Studies, Value Education and Extension Activities
- Examination-Question Paper Pattern – Non Major Environmental Studies, Value Education Skill Based Courses
- Course code and Registration Number
- Internal assessment – Tests, Assignments, Seminar/Quiz/Group Discussion
- Deadlines for Examination
- Evaluation of Theory, Practical and Project
- Grading Marks, Grade Point, Credit, CGPA
- Implementation at Department / College / University level
- Responsibilities of CBCS

Before ending, I would like to thank all of you for patiently listening to my address with the following inspiring words of Jawaharlal Nehru, which have great relevance to our Madurai Kamaraj University :

*"In India, we face many difficult problems. The problems are immense, no doubt, but so is our will and our determination and so is the will of the innumerable people of India"*

- Jawaharlal Nehru

Thank You.

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Placed at the Special Meeting  
of the Academic Council  
held on 25.06.2008

**APPENDIX - O**

**MADURAI KAMARAJ UNIVERSITY**  
*(University with Potential for Excellence)*

**CHOICE BASED CREDIT SYSTEM**

**REVISED SYLLABUS**

**EFFECT FROM THE ACADEMIC YEAR 2008-2009**

**B.A BRANCH I (B) HISTORY MAJOR (SEMESTER)**

**Eligibility for Admission:**

As per the norms fixed by the Government of Tamilnadu.

**Scheme and Regulation:**

**CHOICE BASED CREDIT SYSTEM**

S.NO	STUDY COMPONENT	NO OF COURSE	HOURS	CREDIT PER COURSE	TOTAL HOURS PER WEEK	TOTAL CREDITS
1	PART-I TAMIL/OTHER LANGUAGES	4	6	3	24	12
2	PART-II ENGLISH	4	6	3	24	12
3	PART-III					
	CORE SUBJECTS	14	5-6	4-5	70	60
	ALLIED SUBJECTS	4	6	5	24	20
	PROJECT/ELECTIVES	3	6	5	18	15
4	PART-IV					
	NON- MAJOR ELECTIVE COURSES	2	2	2	4	4
	SKILL BASED SUBJECTS(ELECTIVE)	6	2	2	12	12

### Elective Papers

ES 1	Women's Studies (OR)
ES 2	Fundamentals of Computer (OR) History of Science and Technology
ES 2	Constitutional History of India (OR) / History of Madurai
ES 3	Archaeology (OR) / Tourism in India

### Major Elective Papers

01	NME 1 Freedom Movement in India Since 1801A.D
02	NME 2 Constitution of India

### 1. Unitization

Content of Every paper is divided into FIVE units

### 2. Pattern of Examination

Internal and External marks respectively 25:75

### 3. Scheme for Internal Exam

Two Test	-10 marks (average of best two tests)
Assignments	-5 marks
Seminar/Group discussion/Quiz	-5 marks
Peer-Team-Teaching	-5 marks

**Grand Total-25Marks**

### 4. External Exam

External Examination -Maximum 75 marks

### 5. Question Paper Pattern

All the Question Papers consists of Three Sections A, B and C  
Section A must be an Objective Type  
Section B should be a descriptive type with internal choice  
Section C Should be descriptive type with choice

### 6. Scheme for Evaluation

Time: 3 Hours Max.Marks:75

**Section - A:** (10x1=10marks)

Question No.1 to 10 (Multiple choice) 1. Two questions from each unit.

- Four Choices in each question.
- No 'none of these' choice

Placed at the meeting of  
Academic Council  
held on 27.08.2009

APPENDIX - B  
**MADURAI KAMARAJ UNIVERSITY**  
(University with Potential for Excellence)

B.Sc Computer Science (Semester)  
**REGULATIONS AND SYLLABUS**  
Choice Based Credit System - Modified Syllabus

- 1) With Effect from 2009-2010 and afterwards.
- 2) For those joined in 2008-2009, only 2<sup>nd</sup> and 3<sup>rd</sup> year of this syllabi followed.  
(Not applicable for I and II semester)

**1. Objectives:**

The Syllabus for B.Sc., Computer Science degree under semester system has been designed on the basis of Choice Based Credit System,(CBCS) which would focus on job oriented programmes and value added education.

**2. Eligibility:**

A pass in +2 examination conducted by the Board of Higher Secondary Education, Govt. of Tamil Nadu with Computer Science or Mathematics as one of the subject OR any other examination accepted by the Syndicate, as equivalent there to are eligible to join this course.

**3. Duration of the course:**

The students who are joining the degree shall undergo a study period of three academic years - Six Semesters.

**4. Evaluation:**

Internal Mark : 25  
External Mark : 75



IV SEMESTER

S No	CODE	Subject	Hours	Credits	Internal Marks	External Marks
1	T4	Tamil	0	3	25	75
2	E4	English	0	3	25	75
3	CS7	Object-Oriented Programming using Java	6	4	25	75
4	CS8	Lab 5 : Object-Oriented Programming using Java	0	4	40	60
5	AS4	Numerical Methods	4	5	25	75
6	SBS2	System Software	2	2		
	Total		30	21		

V SEMESTER

S No	CODE	Subject	Hours	Credits	Internal Marks	External Marks
1	CS9	Database Management System	6	5	25	75
2	CS10	Operating System	6	5	25	75
3	CS11	Software Engineering	5	5	25	75
4	CS12	Lab 6 : Visual Programming Lab	5	4	40	60
5	ES1	Elective 1	4	5	25	75
6	EV5	Environmental Studies	2	2	25	75
7	SBS3	Lab 7 : Multimedia Lab	2	2	40	60
	Total		30	28		

Elective 1: One of the following

1. Web Technology
2. Computer Networks
3. Microprocessors and Assembly Language programming

VI SEMESTER

S No	CODE	Subject	Hours	Credits	Internal Marks	External Marks
1	CS13	Computer Graphics	6	5	25	75
2	CS14	Lab 8 : Advanced Visual Programming	6	4	40	60
3	ES2	Elective 2	5	5	25	75
4	ES3	Project & Viva-Voice	5	5	25	75
5	VE	Value Education	2	2		
6	SBS4	Lab 9 : Web Design	2	2	40	60
7	SBS5	Numerical Ability	2	2	25	75
8	SBS6	e-Commerce	2	2	25	75
	Total		30	27		

Elective 2: One of the following

1. Multimedia Technology
2. Computer Algorithms
3. Client Server Computing

Non-Major Elective courses to be offered by the Department of Computer Science

NME1 - Introduction to Computers and Office Automation

NME2 - Introduction to Internet

The following list of parameters taken into account for the evaluation of the Practical examination and Project work.

For Language-based Programming :

(C/C++/Java/Visual Basic etc)

Parameters: Algorithm – Coding – Compilation – Debugging – Results

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APPENDIX - AI  
**MADURAI KAMARAJ UNIVERSITY**  
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**B.Sc Information Technology (Semester)**  
**SYLLABUS**  
**Choice Based Credit System**  
**(With effect from 2008-2009).**

SEMESTER	SUBJECTS						TOTAL HOURS	TOTAL CREDITS
I	T (6) [3]	E (6) [3]	CS (6) [4]	CS(6) [4]	AS(4) [5]	NME (2) [2]	30	21
II	T (6) [3]	E (6) [3]	CS (6) [4]	CS(6) [4]	AS(4) [5]	NME (2) [2]	30	21
III	T (6) [4]	E (6) [4]	CS (6) [4]	CS(6) [4]	AS(4) [5]	SBS (2) [2]	30	23
IV	T (6) [4]	E (6) [4]	CS (6) [4]	CS(6) [4]	AS(4) [5]	SBS (2) [2]	30	23
V	CS (6) [4]	CS (6) [4]	CS (5) [4]	CS(5) [4]	ES(4) [5]	EVS (2) [2] SBS (2) [2]	30	25
VI	CS (6) [4]	CS (6) [4]	ES (5) [5]	Project (5) [5]	VE(2) [2]	SBS (2) [2] SBS (2) [2] SBS (2) [2]	30	26
Extension Activity								1
TOTAL								140

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**Text I****SEMESTER - V**

S No	CODE	Subject	Hours	Credits	Internal Marks	External Marks
1	CS9	Java Programming	6	4	25	75
2	CS10	Operating System	6	4	25	75
3	CS11	Java Programming Lab	5	4	25	75
4	CS12	Unix and Shell Programming Lab	5	4	25	75
5	ES1	Elective1	4	5	25	75
6	EVS	Environmental Studies	2	2		
7	SBS3	Cryptography	2	2	25	75
		Total	30	25		

**Electives1 :**

1. Client Server Computing
2. PC maintenance and Trouble shooting ;
3. Microprocessors and Assembly Language programming

**SEMESTER - VI**

S No	CODE	Subject	Hours	Credits	Internal Marks	External Marks
1	CS13	Software Engineering	6	4	25	75
2	CS14	Web Programming Lab	6	4	25	75
3	ES2	Electives 2	5	5	25	75
4	Project	Project work	5	5	25	75
5	VE	Value Education	2	2		
6	SBS4	Numerical Aptitude	2	2	25	75
7	SBS5	Data Mining	2	2	25	75
8	SBS6	Communication Skills	2	2	25	75
		Total	30	26		

**Electives2:**

1. Computer Networks;
2. Systems software
3. Web design



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APPENDIX - AF

**MADURAI KAMARAJ UNIVERSITY**  
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CHOICE BASED CREDIT SYSTEM  
**BACHELOR OF COMPUTER APPLICATIONS**  
(BCA)  
**SYLLABUS**

With effect from 2008-09

SEMESTER	SUBJECTS						TOTAL HOURS	TOTAL CREDITS
I	T (6) [3]	E (6) [3]	CS (6) [4]	CS(6) [4]	AS(6) [4]	NME (2) [2]	30	21
II	T (6) [3]	E (6) [3]	CS (6) [4]	CS(6) [4]	AS(6) [5]	NME (2) [2]	30	21
III	CS (6) [4]	CS (6) [4]	CS (6) [4]	CS(6) [4]	AS(4) [5]	SBS (2) [2]	30	23
IV	CS (6) [4]	CS (6) [4]	CS (6) [4]	CS(6) [4]	AS(4) [5]	SBS (2) [2]	30	23
V	CS (6) [4]	CS (6) [4]	CS (5) [4]	CS(5) [4]	ES(4) [5]	EVS (2) [2] SBS (2) [2]	30	25
VI	CS (6) [4]	CS (6) [4]	ES (5) [5]	Project (5) [5]	VE(2) [2]	SBS (2) [2] SBS (2) [2] SBS (2) [2]	30	26
Extension Activity								1
TOTAL								140

( ) - Number of Hours [ ] - Number of Credits

- T - Tamil; E - English;  
CS - Core Subject AS - Allied Subject;  
SBS - Skill Based Subject; NME - Non Major Elective;  
ES - Elective Subject; VE - Value Education;  
EVS - Environmental Studies

### V SEMESTER

Sl.No		Subject	Hours	Credits	Duration of Exam in hours	Internal Marks	External Marks	Total Marks
1	CS13	Visual Programming	6	4	3	25	75	100
2	CS14	Lab 7 : Visual Programming Lab	6	4	3	25	75	100
3	CS15	Data Structures & Computer algorithms	5	4	3	25	75	100
4	CS16	Operating System	5	4	3	25	75	100
5	ES1	Elective I from Group I	4	5	3	25	75	100
6	EVS	Environmental Studies	2	2				
7	SBS3	Office Automation	2	2		25	75	100

### VI SEMESTER

Sl.No		Subject	Hours	Credits	Duration of Exam in hours	Internal Marks	External Marks	Total Marks
1	CS17	Software Engineering	6	4	3	25	75	100
2	CS18	Computer Networks	6	4	3	25	75	100
3	ES2	Elective II from Group II	5	5	3	25	75	100
4	Project	Project work and viva voce	5	5	-	25	75	100
5	VE	Value Education	2	2				
6	SBS 4	Biometrics	2	2		25	75	100
7	SBS 5	Cryptography	2	2		25	75	100
8	SBS 6	Communication skills	2	2		25	75	100

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**APPENDIX - BK**

**MADURAI KAMARAJ UNIVERSITY**  
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**DEGREE OF BACHELOR OF COMMERCE (B.Com.)**

**Semester**

**Regulation, Scheme of Examination and Syllabus for B.Com. based on CBCS  
(Semester) Degree course**

**This will be effective from the academic year 2008 – 2009**

**Course Objectives**

1. To develop basic skills in the subjects of Commerce and related disciplines.
2. To expose the students to computer applications in the field of Commerce / Business.
3. To develop entrepreneurial skill.

**Eligibility**

Candidates seeking admission to B.Com Degree Course should have passed Higher Secondary Examination of the government of Tamil Nadu (or) any other examination accepted as equivalent by the Syndicate of Madurai Kamaraj University.

**Duration**

Three years consisting of six semesters.

**General Framework**

Medium of Instruction is English.



Semester IV

S.No	Part	Title of the Paper	Hours/Week	Credit	Internal	External	Total
1	III	Banking Theory Law and Practice	5	4	25	75	100
2	III	Business Mathematics	6	5	25	75	100
3	III	Management Accounting	6	4	25	75	100
4	III	Financial Accounting IV	6	4	25	75	100
5	III	Entrepreneurship Development	5	4	25	75	100
6	IV	International Trade	2	2	25	75	100

23

Semester V

Core: 21

S. No	Part	Title of the Paper	Hours/Week	Credit	Internal	External	Total
1	III	Financial Accounting V	5	4	25	75	100
2	III	Business Laws I	5	4	25	75	100
3	III	Income Tax Law and Practice I	5	4	25	75	100
4	III	Human Resource Management	5	4	25	75	100
5	III	Elective I <del>Business</del> B-F	6	5	25	75	100
6	IV	Environmental Studies ✓	2	2	25	75	100
7	IV	Export Documentation ✓	2	2	25	75	100

25

Semester VI

Core: 21

S.No	Part	Title of the Paper	Hours/Week	Credit	Internal	External	Total
1	III	Business Laws II	5	4	25	75	100
2	III	Income Tax Law and Practice II	5	4	25	75	100
3	III	Elective II <del>Business</del> SERVICEMARKETING	6	5	25	75	100
4	III	Elective III <del>Business</del> FIN. M & S	6	5	25	75	100
5	IV	Value Education ✓	2	2	25	75	100
6	IV	MS office Practicals ✓	2	2	25	75	100
7	IV	Information Technology <del>Table</del> ✓	2	2	25	75	100
8	IV	Commerce Practicals ✓	2	2	25	75	100

26

1 Credit Core: 8

Extension Activities

(All the Six Semesters)

B. Com: Credit

Total: 150

Core: 117

Noncore: 33

NME, SBS, Nonmajor elective, Language Skill Based subject,

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held on 25.06.2008

**APPENDIX - BR**

**MADURAI KAMARAJ UNIVERSITY**  
*(University with Potential for Excellence)*

**DEGREE OF BACHELOR OF COMMERCE**  
**(Computer Application) Semester**

**Regulation, Scheme of Examinations and Syllabus for B.Com.**  
**(Computer Application) - Semester - Degree Course**  
This will be effective from the academic year 2008 - 2009

**Course Objectives:**

1. To develop basic skills in the subjects of Commerce, Computer and related disciplines.
2. To expose the students to computer applications in the field of Commerce / Business.
3. To develop entrepreneurial skill.

**Eligibility:**

Candidates seeking admission to B.Com. (Computer Application) Semester Degree Course should have passed the Higher Secondary Examination of the Government of Tamil Nadu (or) any other examination accepted as equivalent by the Syndicate of Madurai Kamaraj University.

**Duration:**

Three years consisting of six semesters.

**General framework:**

1. Medium of Instruction is English.
2. Course of study shall consist of practical training in computer for a period of 90 hours each in the I, II, III, IV & V semesters.

**COURSE OF STUDY**

**Part - I:** **Language** for I and II Semesters  
Any one language – Tamil, Malayalam, Hindi, Arabic or French

(OR)

Alternative Subjects: (2 years course)

- I Semester - Business Communication ✓  
II Semester - Principles and Practice of Insurance ✓

**Part - II:** **English** for I and II Semesters ✓

**Part - III:**

1. Introduction to PC Software and DTP ✓
2. PC Software and DTP - Lab ✓
3. Financial Accounting - I ✓
4. Business Application Programming ✓
5. Business Application Programming - Lab ✓
6. Financial Accounting - II ✓
7. Database Applications ✓
8. Database Applications - Lab ✓
9. Financial Accounting - III ✓
10. Business Statistics ✓
11. Cost Accounting ✓
12. Introduction to Visual Programming ✓
13. Visual Programming - Lab ✓
14. Banking Theory, Law and Practice ✓



M.Sc I(c) (CBCS) *Mathematics*

For those admitted in June 2008 & latter

S.No	Sub. Code	Title of the paper	Credits	Contact Hours	Duration of Exams (in Hrs)	Marks		
						External	Internal	Total
1	MAT11	Algebra I	4	6	3	75	25	100
2	MAT12	Analysis I	4	6	3	75	25	100
3	MAT13	Differential Geometry	4	6	3	75	25	100
4	MAT14	Topology	4	6	3	75	25	100
5	MAT1E	From List I	4	6	3	75	25	100
6	MAT21	Algebra II	4	6	3	75	25	100
7	MAT22	Analysis II	4	6	3	75	25	100
8	MAT23	Differential Equations	4	6	3	75	25	100
9	MAT24	Numerical Analysis	4	6	3	75	25	100
10	MAT2E	From List II	4	6	3	75	25	100
11	MAT31	Algebra III	5	6	3	75	25	100
12	MAT32	Analysis III	5	6	3	75	25	100
13	MAT33	Functional Analysis	5	6	3	75	25	100
14	MAT34	Statistics I	5	6	3	75	25	100
15	MAT3E	From List III	5	6	3	75	25	100
16	MAT41	Complex Analysis	5	6	3	75	25	100
17	MAT42	Number Theory	5	6	3	75	25	100
18	MAT43	Operations Research	5	6	3	75	25	100
19	MAT44	Statistics II	5	6	3	75	25	100
20	MAT4E	From List IV	5	6	3	75	25	100

	<b>Major Electives</b>	
<b>List I</b>	MAT1EA	Mechanics
	MAT1EB	Graph Theory I
	MAT1EC	Automata Theory & Formal Languages
	MAT1ED	Modern Applied Algebra
	<b>Major Electives</b>	
<b>List II</b>	MAT2EA	Combinatorial Mathematics
	MAT2EB	Graph Theory II
	MAT2EC	Fuzzy Sets and Logics
	MAT2ED	Visual Basic with Practicals
	<b>Non-Major Electives</b>	
<b>List III</b>	MAT3EA	Bio Statistics EMT8M31
	MAT3EB	Business Statistics EMT8M32
	MAT3EC	Mathematics for Competitive Examinations (EMT8M33)
	MAT3ED	Econometrics EMT8M34
	<b>Major Electives</b>	
<b>List IV</b>	MAT4EA	Advanced Topology
	MAT4EB	Advanced Functional Analysis
	MAT4EC	Java & Web Designing
	MAT4ED	Number Theory & Cryptography

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**M.Sc., CHEMISTRY (SEMESTER)**

**REVISED SYLLABUS**

**( Effective from the academic year 2008-2009 onwards)**



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		Spectral Measurements		
I	IV	Biomolecules, Rearrangements and Synthetic methods	3 Hours	75
		Nuclear and Analytical Chemistry	3 Hours	75
		Chemical Kinetics, Surface, Biophysical and Photochemistry	3 Hours	75
		Major Elective: 1. Introduction to Nanoscience 2. Polymer Chemistry	3 Hours	75
		Project/ Review of recent aspects of chemistry	3 Hours	48 20
		Project Viva-Voce		

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Passing minimum for theory paper (external) - 34 marks

Internal and External put together - 50 marks

Method of evaluation of Internal Assessment for the theory papers:

Seminar - 5 marks

Assignment - 5 marks

Test - 15 marks (Three tests: best of two)

### Scheme of Examination

#### Practicals

Year	Semester	Hrs. Per week	Name of the paper	Marks		
				Int	Ext	Total
I	I	15	Inorganic qualitative and quantitative analyses and preparations	40	60	100
I	II	15	Organic preparation, qualitative and quantitative analyses	40	60	100
II	III	15	Conductometric and Potentiometric Titrations and Kinetic, Adsorption and Spectral Experiments	40	60	100
II	IV	15	Project work/ review of recent aspects of chemistry	32	68	100



*Placed at the Special Meeting  
of the Academic Council  
held on 25.06.2008*

**APPENDIX - I**

**MADURAI KAMARAJ UNIVERSITY**  
*(University with Potential for Excellence)*

**REVISED REGULATION, SCHEME OF  
EXAMINATION AND SYLLABUS FOR**

**M.Com., Degree Course (Semester)**  
*(This will come into effect from the academic year 2008-2009)*

**ELIGIBILITY CONDITIONS:**

For Admission to M.Com., Degree Course:

A candidate who has passed any one of the following degree of this university or any other University accepted by the syndicate as equivalent thereto subject to such conditions as may be prescribed therefor, will be eligible for admission to the M.Com., (semester) Degree course.

B.Com., B.A., Corporate secretaryship, B.B.A., B.B.M., B.A., (cooperation), B.A., (Business Economics), B.A., (Industrial Organisation), B.Sc., (Mathematics with Accountancy and costing or banking as allied / ancillary subjects B.Sc., (Computer Science) any other degree with Accounting / Costing as allied / ancillary subject.

**M.Com., Degree Course (Semester)**  
 (This will come into effect from the academic year 2008-2009)  
 (Under Choice Based Credit System)

Subject Code	SL No	Name of the Subject	Credits	Internal Marks	External Marks	Total Marks	Total Hrs. P.W
<b>I Semester</b>							
	1	Business Environment	4	25	75	100	6
	2	Financial Markets and Services	4	25	75	100	6
	3	Management Concepts	4	25	75	100	6
	4	Advanced Accounting	5	25	75	100	6
	5	Advanced Business Statistics (E)	5	25	75	100	6
<b>II Semester</b>							
	6	Customer Relationship Management	4	25	75	100	6
	7	Cost and Management Accounting	5	25	75	100	6
	8	Banking Technology	4	25	75	100	6
	9	Principles of Information Technology	5	25	75	100	6
	10	Investment Management (E)	5	25	75	100	6
<b>III Semester</b>							
	11	International Marketing	4	25	75	100	6
	12	Human Resource Management	4	25	75	100	6
	13	Corporate Accounting	5	25	75	100	6
	14	Direct Taxes (E)	5	25	75	100	6
	15	Insurance Management (NME)	5	25	75	100	6
<b>IV Semester</b>							
	16	Financial Management	4	25	75	100	6
	17	Applied Cost Accounting	4	25	75	100	6
	18	Indirect Taxes	4	25	75	100	6
	19	Retail Management	5	25	75	100	6
	20	Entrepreneurial Development	5	25	75	100	6
		(E- Elective; N.M – Non Major)					
			90				120



**MADURAI KAMARAJ UNIVERSITY**  
(University with Potential for Excellence)

☎ 0452-2458471  
0452-2459181

Dr. I. SINGARAM, M.A., (Soci.) M.A., (Pol.Sci.) M.Phil., Ph.D.,  
Registrar

Palkalai Nagar  
Madurai-625 021

Ref.No.I/BOS/Comba (PG) 2009

11.5.2009

To  
The Principals of affiliated colleges  
offering M.Com(Computer Application) and M.Com (Finance)  
semester degree courses



Sir/Madam,

Sub: M.Com (Computer Application) and M.Com (Finance) semester-  
Modified in the course structure (Under CBCS) for 2008-09-intimated-reg.

I am, by direction, to inform you that the Chairman of the Board of Studies in  
Commerce (PG) has modified in the course structure for M.Com (Computer Application) and  
M.Com (Finance) semester degree courses (under CBCS) for 2008-09.

A copy of the course structure is enclosed herewith for immediate adoption.

This is applicable for the students who joined M.Com (C.A) and M.Com (Finance)  
courses from the academic year 2008-09 semester degree courses (under CBCS).

I request you to kindly bring this to the notice of the staff and students of your  
college.

Yours faithfully

REGISTRAR

Encl:

Copy to:  
The Controller of Examinations  
Deputy Registrar (Confidential)  
Confidential Section  
P.G.Semester Section

M.Com. Comp  
 (This will come into effect from the academic year 2019-20)  
 (Under Choice Based Credit System)

Subject Code	Name of the Subject	Hrs P.W	Credits	Internal Marks	External Marks	Total Marks
<u>I Semester</u>	Quantitative Techniques ✓	6	5	25	75	100
	Business Environment and Policy ✓	6	4	25	75	100
	Financial Accounting ✓	6	4	25	75	100
	Fundamentals of Information Technology ✓	6	4	25	75	100
	Computerized Accounting and Office Automation (E)	6	5	25	75	100
<u>II Semester</u>	Management Accounting	6	5	25	75	100
	Service Marketing	6	4	25	75	100
	Financial Institutions and markets (E)	6	5	25	75	100
	Introduction to Client Server Computing	6	4	25	75	100
	Programming in Data Base Management System, Summer placement and Practical training	6	5	25	75	100
	Practical 6 hrs per week	6	5	25	75	100
<u>III Semester</u>	Corporate Financial Accounting	6	5	25	75	100
	International Business and Foreign Exchange	6	4	25	75	100
	Banking and Insurance (E)	6	5	25	75	100
	E-Commerce (NME)	6	4	25	75	100
	Web Programming	6	4	25	75	100
<u>IV Semester</u>	Public Finance (E)	6	5	25	75	100
	Advanced Cost Accounting	6	4	25	75	100
	Corporate Communication	6	4	25	75	100
	Enterprise Resource Planning	6	4	25	75	100
	Computer Application oriented project	6	4	25	75	100
			120	90		

V. A. [Signature]